



State of Washington  
Application for a Water Right Permit

☐ SURFACE WATER ☒ GROUND WATER  
☒ Permanent ☐ Temporary ☐ Short Term

For Ecology Use  
(Date Stamp)

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RECEIVED

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Follow the attached instructions. Attach additional sheets as necessary.

A NON-REFUNDABLE MINIMUM FEE OF \$50.00 PAYABLE TO  
THE DEPARTMENT OF ECOLOGY MUST ACCOMPANY THIS APPLICATION.

DEPARTMENT OF ECOLOGY  
EASTERN REGIONAL OFFICE

Section 1. APPLICANT

Applicant/Business Name: TierPoint, LLC	Phone No: 509-688-2555	Other No: 509-998-0030
Address: 23403 E. Mission Ave		
City: Liberty Lake	State: WA	Zip: 99019
Email Address (optional): greg.zemp@tierpoint.com		

Contact Name (if different from above): Greg Zemp	Phone No: 509-688-2570	Other No: 509-998-0030
Relationship to Applicant: Owner		
Address: 23403 E. Mission Ave		
City: Liberty Lake	State: WA	Zip: 99019
Email Address (optional):		

Section 2. STATEMENT OF INTENT

Briefly describe the purpose of your proposed project: Desire to use ground water for "environmentally friendly" cooling of Data Center servers and equipment by using "non-consumptive" technology.

Anticipated length of time to complete your project: 6 mos

**Water Use** List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only) <input type="checkbox"/> Cubic Feet per Second (CFS) <input checked="" type="checkbox"/> Gallons per Minute (GPM)	Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
Data Center Cooling	2250 GPM		Continuously
TOTAL:			

Short Term/Temporary Water Use

Is this a request for a short term project (less than four months and non-recurring)? ☐ YES ☒ NO

Is this request for a temporary permit? ☐ YES ☒ NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: \_\_\_/\_\_\_/\_\_\_ TO: \_\_\_/\_\_\_/\_\_\_

TIERPOINT

23403 E. Mission Ave., Suite 121-W  
Liberty Lake, WA 99019

Section 3. POINT OF DIVERSION OR WITHDRAWAL

For Ecology Use	APPLICATION NO: <u>G3-30604</u> Fee Paid: <u>\$50.00</u> Check No: <u>Check #6514 #6610</u>	SEPA: <u>Exempt</u> Not Exempt ECY Coding: 001-001-WR1-0285-000011
Date Returned: _____	By: _____	Priority Date: <u>11-19-2009</u> By: <u>KY</u> WRIA: <u>57</u>

Complete A or B, and C below

A.) If Surface Water Source				B.) If Ground Water Source		
<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____				<input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____		
Source Name: _____				Well diameter & depth: <u>8" Dia, 150' deep</u>		
Tributary to: _____				Number of proposed points of withdrawal: <u>3</u>		
Number of proposed diversion points: _____				Do you have an existing well? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Do you have an existing diversion? <input type="checkbox"/> YES <input type="checkbox"/> NO				If available, attach Water Well Report and pump test.		
Well Tag ID No. _____						
C.) Point of Diversion/Withdrawal – Legal Description						
Parcel No.	¼	¼	Section	Township	Range	County
55104.9109	SW	SE	10	25	45	Spokane
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: _____ Feet ( <input type="checkbox"/> North/ <input type="checkbox"/> South) and _____ feet ( <input type="checkbox"/> East/ <input type="checkbox"/> West) from the ( <input type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> ____) corner of Section_____.						
Parcel No.	¼	¼	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: _____ feet ( <input type="checkbox"/> North/ <input type="checkbox"/> South) and _____ feet ( <input type="checkbox"/> East/ <input type="checkbox"/> West) from the ( <input type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> ____) corner of Section_____.						

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

Do you own the land on which the proposed point of diversion/withdrawal is located? ☐ YES ☒ NO

If no, do you have legal authority to make this application for use of another's land? ☒ YES ☐ NO

Provide the owner name(s), address, and phone number: Protect Holdings, Inc; 8817 Eastside Road, Vernon, BC

V1H 1J9, Canada

#### Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

10-25-45 PTN PARC 1 & 2 SPOK CO BSP NO. 33-92 DAF; ALL PARC 2 AND  
S245FT OF E121.82FT OF PARC 1

¼	¼	Section	Twp.	Range	County	Parcel No.
SW	SE	10	25	45	Spokane	55104.9109

Do you own all the lands on which the proposed place of use is located? ☐ YES ☒ NO.

If no, do you have legal authority to make this application for use of another's land? ☒ YES ☐ NO

Provide owner name(s), address, and phone number: Protect Holdings, Inc; 8817 Eastside Road, Vernon, BC, V1H

1J9, Canada

Are there any other water rights or claims associated with this property or water system? ☐ YES ☒ NO

If yes, provide the water right and/or claim numbers: \_\_\_\_\_

Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.

Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): \_Water system will consist of one continuous closed loop cooling system. Water will be pulled from three wells with a maximum capacity of 750 gpm each. One of the wells will be for redundancy, so only two wells will run simultaneously. The water from the ground will run through a mixing valve to maintain a temperature of 49 degree supply water temperature in the building loop. Another mixing valve will send water to a discharge pipe which will return the water to the ground at 56 degrees. The 49 degree water loop will be connected to the cooling coils of the Computer Room Air Conditioning Units (CRAC) which will have a capacity of approximately 80 gpm each and will be modulated with a 2-way control valve. The discharge pipe will route the 56 degree water to numerous discharge wells which will return the water to the ground. Base mounted pumps will be used to pull the water out of the ground, and water will be filtered for sand before entering the building system. At no time will any chemical or additive be added to the water system.

Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

Complete A or B, and C below

<b>A.) Domestic Water Systems only</b>	<b>B.) Municipal Water Systems only</b> <i>(defined under RCW 90.03.015)</i>
Projected number of connections to be served: _____	Present population to be served water: 0 _____
Type of connections: _____ <i>(e.g., home, recreational cabin)</i>	Estimate future population to be served: _____ (20 year projection)
<b>C.) Water System Planning</b>	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, date plan was approved ____/____/____ Water System Number: _____	
Name of water system: _____	
Are you within the service area of an existing water system? <input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes, explain why you are unable to connect to the system: _____	
_____	
_____	
_____	
_____	

Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

Irrigation

Total number of acres requested to be irrigated under this application = 0 ACRES

NOTE: Outline the area to be irrigated on your attached map.

Stockwater

List number and kind of stock:0 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Is the proposed project for a dairy farm? ☐ YES ☒ NO

**Other Proposed Farm Uses**

Describe all proposed uses: None

**Family Farm Water Act (RCW 90.66):**

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? ☐ YES ☐ NO

Do you have a controlling interest in a Family Farm Development Permit? ☐ YES ☐ NO

If yes, enter Permit No: \_\_\_\_\_

**Section 8. OTHER WATER USES**

**Hydropower**

Indicate total feet of head \_\_\_\_\_ and proposed capacity in kilowatts: \_\_\_\_\_

Describe works: \_\_\_\_\_

Indicate all uses to which power is to be applied: \_\_\_\_\_

FERC License No: \_\_\_\_\_

**Mining/Industrial Use**

Describe use, method of supplying and utilizing water: \_\_\_\_\_

**Other Use**

None

**Section 9. WATER STORAGE**

Will you be using a dam, dike, or other structure to retain or store water? ☐ YES ☒ NO

Are you proposing to store more than 10 acre-feet of water? ☐ YES ☒ NO

Will the water depth be 10 feet or more? ☐ YES ☒ NO

If you answered yes to any of the above questions, please describe: \_\_\_\_\_

*NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.*

**Section 10. DRIVING DIRECTIONS**

Provide detailed driving directions to the project site: Proceed Eastbound 1-90 past Spokane. Exit I-90 at exit 296

Liberty Lake. Proceed straight through traffic signal onto E. Appleway. Proceed about .8 miles to Madson St., turn right (South) proceed about .3 miles to site on Northwest corner of Mission Ave and Madson St.

Site Address: 23017 E Mission Ave, Liberty Lake, WA 99019

### Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

TierPoint, LLC / Greg Zemp  
Print Name  
(Applicant or authorized representative)

Gregory W Zemp  
Signature

11/13/09  
Date

Protect Holdings, Inc / Steffen Knuever  
Print Name  
(Landowner of Place of Use)

[Signature]  
Signature

13/11/09  
Date

\_\_\_\_\_  
Print Name  
(Landowner of Place of Use)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name  
(Landowner of Place of Use)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Submit your application to: DEPARTMENT OF ECOLOGY  
CASHIERING SECTION  
PO BOX 47611  
OLYMPIA, WA 98504-7611

Please check the region in which your proposed project is located.  
☐ Southwest ☐ Northwest ☐ Central ☒ Eastern

Below is a map of the State of Washington, with outlines of the four Ecology regional offices. If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.